

# State of Washington REPORT OF EXAMINATION FOR WATER RIGHT APPLICATION

**PRIORITY DATE**  
January 9, 2012

**WATER RIGHT NUMBER**  
G3-30656

**MAILING ADDRESS**  
STEVENS PUBLIC UTILITY DISTRICT  
PO BOX 592  
LOON LAKE WA 99148-0592

**SITE ADDRESS (IF DIFFERENT)**

## Quantity Authorized for Withdrawal

WITHDRAWAL RATE	UNITS	ANNUAL QUANTITY (AF/YR)
60	GPM	0

## Purpose

PURPOSE	WITHDRAWAL RATE		ANNUAL QUANTITY (AF/YR)		PERIOD OF USE
	ADDITIVE	NON-ADDITIVE	ADDITIVE	NON-ADDITIVE	
Municipal supply	60	---	0	14	01/01 - 12/31

## Source Limitations

SOURCE	WITHDRAWAL RATE	ANNUAL QUANTITY (AF/YR)	PERIOD OF USE
3 wells	60	---	01/01 - 12/31

## Source Location

COUNTY	WATERBODY	TRIBUTARY TO	WATER RESOURCE INVENTORY AREA
SPOKANE	GROUNDWATER		55-LITTLE SPOKANE

SOURCE	PARCEL	WELL TAG	TWP	RNG	SEC	QQ	LATITUDE	LONGITUDE
WELL S02	28244.0505	ABZ039	28N	42E	24	NW¼SE¼	47.91048°N	117.44360°W
WELL S03	28244.0505	ABZ038	28N	42E	24	NW¼SE¼	47.91072°N	117.44344°W
WELL S04	28244.0505	AGG611	28N	42E	24	NW¼SE¼	47.91076°N	117.44383°W

Datum: WGS84

## Place of Use (See Attached Map)

### LEGAL DESCRIPTION OF AUTHORIZED PLACE OF USE

The place of use (POU) of this water right is the service area described in the most recent Water System Plan/Small Water System Management Program approved by the Washington State Department of Health, so long as the water system is and remains in compliance with the criteria in RCW 90.03.386(2). RCW 90.03.386 may have the effect of revising the place of use of this water right.

### Proposed Works

Three (3) wells, pumps and distribution system

### Development Schedule

BEGIN PROJECT	COMPLETE PROJECT	PUT WATER TO FULL USE
Begun	Completed	In Use

### Measurement of Water Use

How often must water use be measured?	Weekly
How often must data be reported to Ecology?	Upon Request by Ecology
What volume should be reported?	Total Annual Volume
What rate should be reported?	Annual Peak Rate of Withdrawal (gpm or cfs)

### Provisions

#### Wells, Well Logs and Well Construction Standards

All wells constructed in the state shall meet the construction requirements of WAC 173-160 titled "Minimum Standards for the Construction and Maintenance of Wells" and RCW 18.104 titled "Water Well Construction". Any well which is unusable, abandoned, or whose use has been permanently discontinued, or which is in such disrepair that its continued use is impractical or is an environmental, safety or public health hazard shall be decommissioned.

All wells shall be tagged with a Department of Ecology unique well identification number. If you have an existing well and it does not have a tag, please contact the well-drilling coordinator at the regional Department of Ecology office issuing this decision. This tag shall remain attached to the well. If you are required to submit water measuring reports, reference this tag number.

Installation and maintenance of an access port as described in WAC 173-160-291(3) is required.

#### Measurements, Monitoring, Metering and Reporting

An approved measuring device shall be installed and maintained for each of the sources identified by this water right in accordance with the rule "Requirements for Measuring and Reporting Water Use", WAC 173-173.

WAC 173-173 describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition the Department of Ecology for modifications to some of the requirements.

#### Water Use Efficiency

The water right holder is required to maintain efficient water delivery systems and use of up-to-date water conservation practices consistent with RCW 90.03.005.

#### Proof of Appropriation

The water right holder shall file the notice of Proof of Appropriation of water (under which the certificate of water right is issued) when the permanent distribution system has been constructed and the quantity of water required by the project has been put to full beneficial use. The certificate will

reflect the extent of the project perfected within the limitations of the permit. Elements of a proof inspection may include, as appropriate, the source(s), system instantaneous capacity, beneficial use(s), annual quantity, place of use, and satisfaction of provisions.

#### **Schedule and Inspections**

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the project location, and to inspect at reasonable times, records of water use, wells, diversions, measuring devices and associated distribution systems for compliance with water law.

#### **Findings of Facts**

Upon reviewing the investigator's report, I find all facts, relevant and material to the subject application, have been thoroughly investigated. Furthermore, I concur with the investigator that water is available from the source in question; that there will be no impairment of existing rights; that the purpose(s) of use are beneficial; and that there will be no detriment to the public interest.

Therefore, I ORDER approval of Ground Water Application No.G3-30656, subject to existing rights and the provisions specified above.

#### **Your Right To Appeal**

You have a right to appeal this Order to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of the Order.

File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.

- Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.
- You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Street Addresses	Mailing Addresses
<b>Department of Ecology</b> Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	<b>Department of Ecology</b> Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
<b>Pollution Control Hearings Board</b> 1111 Israel RD SW Ste 301 Tumwater, WA 98501	<b>Pollution Control Hearings Board</b> PO Box 40903 Olympia, WA 98504-0903

Signed at Spokane, Washington, this 24th day of May, 2012.

A handwritten signature in blue ink, appearing to read "Keith Stoffel", is written over a horizontal line.

Keith L. Stoffel, Section Manager

For additional information visit the Environmental Hearings Office Website: <http://www.eho.wa.gov>. To find laws and agency rules visit the Washington State Legislature Website: <http://www1.leg.wa.gov/CodeReviser>.



## INVESTIGATOR'S REPORT

Water Resources Program, Department of Ecology  
Application for Water Right - Stevens Public Utility District  
Water Right Control Number G3-30656

### BACKGROUND

An application for permit was submitted by the Stevens Public Utility District of Loon Lake, Washington to the Department of Ecology on January 9, 2012. The application was accepted and assigned Ground Water Application No. G3-30656. The District has applied for an additional instantaneous amount of 60 gallons per minute of water from existing authorized wells and approved well sites for municipal water supply for the Denison Water System. The Denison System is located approximately three miles southeast of Deer Park, WA and just east of State Highway 395.

The District already pumps the requested 60 gallons per minute. A total of 110 gallons per minute is pumped from the existing Denison wells, which includes the 60 gallons per minute under this application in addition to the 50 gallons per minute authorized under existing rights. The quantity is required for potable water at the pressure necessary to meet current drinking water requirements for basic drinking, cooking and sanitation needs. No additional acre-feet are requested by the District.

This application is being priority processed because it qualified under the criteria under which an application may be processed prior to competing applications (WAC 173-152).

Table 1 Application Summary

Attributes	Summary
Name	Stevens Public Utility District
Priority Date	January 9, 2012
Instantaneous Quantity	60 gallons per minute
Annual Quantity	0 acre-feet per year
Source	3 wells
Purpose of Use	Municipal Supply
Period of Use	Continuous
Place of Use	See application

Table 2 Proposed Sources of Withdrawal

#### Denison Wells

SOURCE	PARCEL	WELL TAG	TWP	RGE	SEC	QQ	LATITUDE	LONGITUDE
WELL S02	28244.0505	ABZ039	28N	42E	24	NW¼SE¼	47.91048°N	117.44360°W
WELL S03	28244.0505	ABZ038	28N	42E	24	NW¼SE¼	47.91072°N	117.44344°W
WELL S04	28244.0505	AGG611	28N	42E	24	NW¼SE¼	47.91076°N	117.44383°W

Datum: WGS84

## Public Notice

RCW 90.03.280 requires that notice of a water right application be published once a week, for two consecutive weeks, in a newspaper of general circulation in the county or counties where the water is to be stored, diverted and used. Notice of this application was published in the Deer Park Tribune on February 1 and 8, 2012.

## State Environmental Policy Act (SEPA)

A water right application is subject to a SEPA threshold determination (i.e., an evaluation whether there are likely to be significant adverse environmental impacts) if any one of the following conditions are met.

- (a) It is a surface water right application for more than 1 cubic foot per second, unless that project is for agricultural irrigation, in which case the threshold is increased to 50 cubic feet per second, so long as that irrigation project will not receive public subsidies;
- (b) It is a groundwater right application for more than 2,250 gallons per minute;
- (c) It is an application that, in combination with other water right applications for the same project, collectively exceed the amounts above;
- (d) It is a part of a larger proposal that is subject to SEPA for other reasons (e.g., the need to obtain other permits that are not exempt from SEPA);
- (e) It is part of a series of exempt actions that, together, trigger the need to do a threshold determination, as defined under WAC 197-11-305.

Because this application does not meet any of these conditions, it is categorically exempt from SEPA and a threshold determination is not required.

## INVESTIGATION

A field investigation was conducted by Gene Drury on April 11, 2012. It was noted that the project is complete as Denison Wells S02, S03 and S04 are in place and authorized for pumping under existing water rights.

### DENISON WELLS

PARAMETER	WELL S02	WELL S03	WELL S04
Unique Well ID#	ABZ039	ABZ038	AGG611
Year drilled	1995	1995	2002
Depth	145'	165'	180'
Diameter	8"	8"	6"
Casing	144'	165'	180'
Perforated	yes	yes	yes
Static water level	35-50'	39-50'	35-50'
Well head elevation	1980'	1980'	1980'
Pump make	Grundfos	Grundfos	Grundfos
Pump type	submersible	submersible	submersible
Pump horsepower	3 hp	5 hp	3 hp

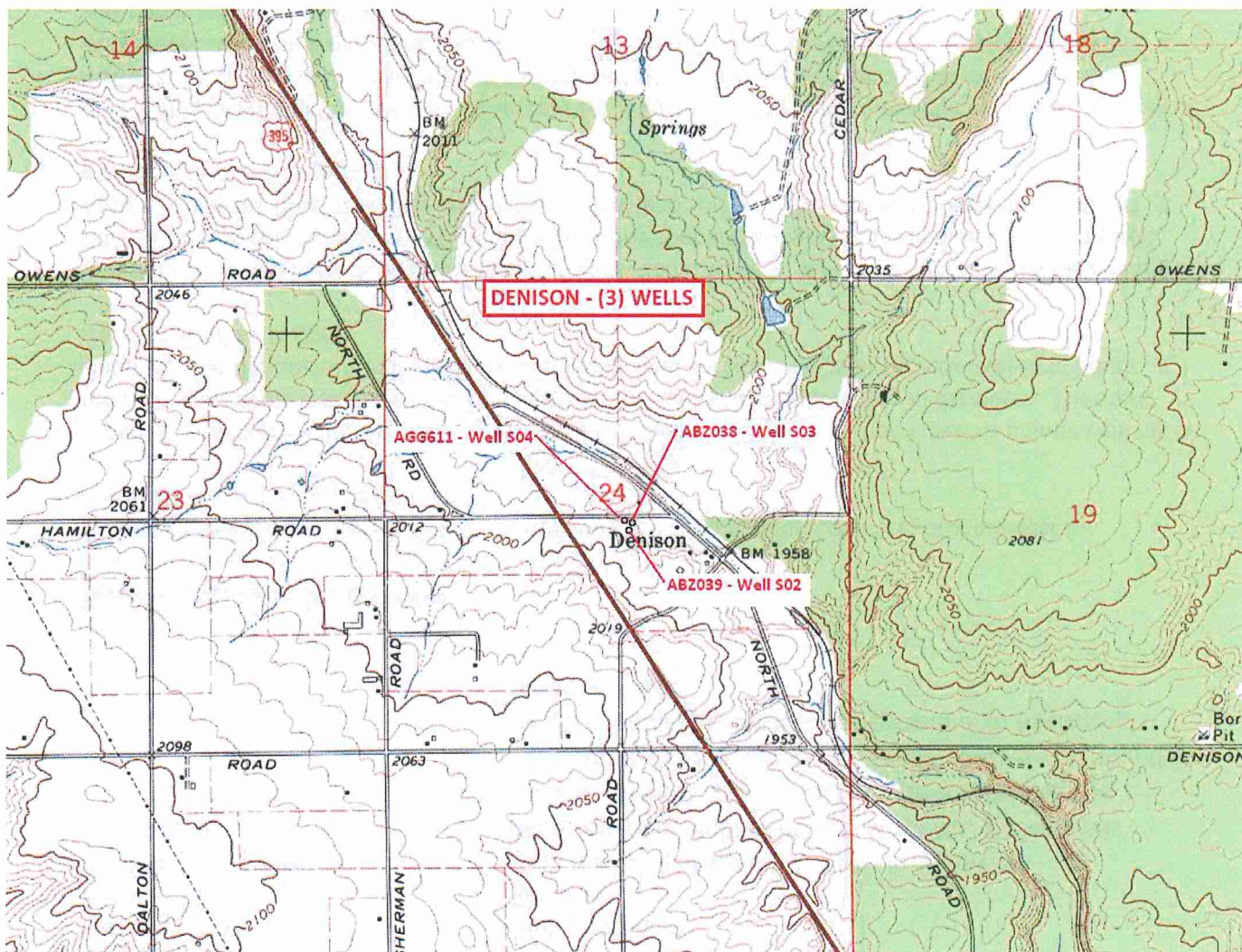
20 homes are served water from the three wells with an estimated 60 people served water within the Denison water system. The District provided annual water use from the three wells for the past four years.



**Water Use for  
Denison Water System**

Year	Total Acre-Feet
2008	7.9
2009	8.1
2010	6.4
2011	7.5

The three wells are all located on the same parcel of land in Spokane County (Parcel Number 28244.0505) within the NW $\frac{1}{4}$ SE $\frac{1}{4}$  of Sec. 24, T. 28 N., R. 42 E.W.M.



USGS 7.5 Minute (Topographic Map) - "Deer Park"

**Other Water Rights Appurtenant to the Place of Use**

Water use for the Denison water System is authorized under the following water right:

**Ground Water Certificate No. G3-00806C(B)**

Recorded Name:	Stevens County Public Utility District No. 1
Priority Date:	November 10, 1969
Instantaneous Quantity – Q(i):	50 gallons per minute
Annual Quantity – Q(a):	14 acre-feet per year
Source:	3 wells
Purpose of Use:	Municipal Supply
Period of Use:	Continuous
Points of Withdrawal:	All in the NW¼ of Sec. 24, T. 28 N., R. 42 E.W.M.
Place of Use:	Area served by Public Utility District No. 1 of Stevens County. The place of use of this water right shall be consistent with the service area map contained within the most recently approved water system plan (including amendments).

**Hydrogeologic Evaluation**

The hydrogeologic analysis for this application was provided by John Covert, hydrogeologist for Ecology's Water Resources Program.

Well SO2 is located in the NW¼SE¼ of Section 24, T. 28 N., R. 42 E. It has been given a unique well tag of ABZ039. It was constructed in 1995 to a depth of 145 feet and is eight inches in diameter. The static water level at the time of drilling was 50 feet below land surface. The well was completed in basalt. It was air tested at 36 gpm.

Well SO3 is located in the NW¼SE¼ of Section 24, T. 28 N., R. 42 E. It has been given a unique well tag of ABZ038. It was constructed in 1995 to a depth of 165 feet and is eight inches in diameter. The static water level at the time of drilling was 50 feet below land surface. The well was completed in basalt. It was air tested at 50+ gpm

Well SO4 is located in the NW¼SE¼ of Section 24, T. 28 N., R. 42 E. It has been given a unique well tag of AGG611. It was constructed in 2002 to a depth of 180 feet and is six inches in diameter. The static water level at the time of drilling was 50 feet below land surface. The well was completed in basalt. It was pump tested at 60 gpm.

All three wells are located within a few tens of feet of each other. All are completed in basalt. All are producing from the same body of public groundwater.

**Impairment and Well Interference**

A review of Ecology records was conducted for existing water rights, permits, applications and claims in the vicinity of the proposed points of withdrawal. The search found no existing rights in the area which would be impaired through issuance of this application for change. A detailed analysis of the area was also conducted in 2006 for the transfer of G3-00806(B) to the Denison System.



### **Water Availability**

The District has requested an increase in instantaneous quantity only, with no additional consumptive water use. The District holds adequate annual acre-feet under existing water rights. The increase of 60 gallons per minute from the existing municipal supply system will be for operational purposes only as no additional consumptive water is being withdrawn. The 60 gallons per minute is available for withdrawal.

### **Beneficial Use**

The use of water for Municipal Supply purposes is defined in statute as a beneficial use (RCW 90.54.020(1)).

### **Public Interest Considerations**

No detriment to the public interest could be identified during the investigation of the application.

### **Consideration of Protests and Comments**

No protests were filed against this application.

### **CONCLUSION**

It is the conclusion of this examiner that: (1) public ground water is available for appropriation for an instantaneous withdrawal of 60 gallons per minute, continuously, for municipal supply purposes; (2) the water use is a beneficial use, and the appropriation; (3) will not impair existing water rights; (4) nor will it be detrimental to the public welfare.

### **RECOMMENDATIONS**

Based on the above investigation and conclusions, I recommend that this request for a water right be approved in the amounts and within the limitations listed below and subject to the provisions listed above

### **Purpose of Use and Authorized Quantities**

The amount of water recommended is a maximum limit and the water user may only use that amount of water within the specified limit that is reasonable and beneficial:

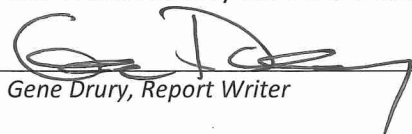
- 60 gallons per minute
- 0 acre-feet per year
- Municipal supply purposes

### Points of Withdrawal:

Three (3) wells in the NW<sup>1</sup>/<sub>4</sub> of Sec. 24, T. 28 N., R. 42 E.W.M., Spokane County, WA

### Place of Use:

The place of use (POU) of this water right is the service area described in the most recent Water System Plan/Small Water System Management Program approved by the Washington State Department of Health, so long as the water system is and remains in compliance with the criteria in RCW 90.03.386(2). RCW 90.03.386 may have the effect of revising the place of use of this water right

  
Gene Drury, Report Writer

5-24-2012  
Date

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